OIPE
JUL 08 2005
PATENT & TRADEMARK OFFICE 90105

Replacement Sheet

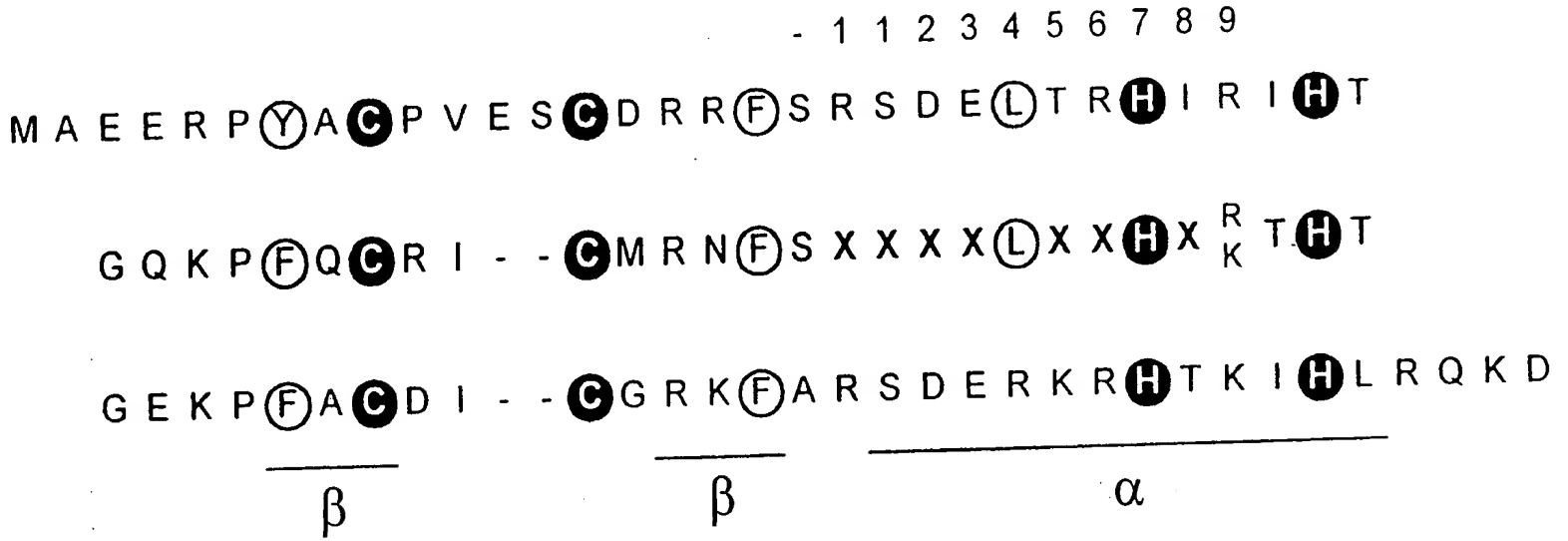


FIG. 1A

(i) G C G G **M** G G C G

-1	1	2	3	4	5	6	7	8	9
R	A	D	(A)	L	M	V	H	K	R
R	G	D	(A)	L	T	S	H	E	R

(ii) G C G G **T** G G C G

-1	1	2	3	4	5	6	7	8	9
R	A	D	(A)	L	M	V	H	K	R
R	G	D	(A)	L	T	S	H	E	R
R	V	D	(A)	L	E	A	H	R	R
R	E	D	(A)	L	I	R	H	G	K

(iii) G C G G **C** G G C G

-1	1	2	3	4	5	6	7	8	9
R	G	P	(D)	L	A	R	H	G	R
R	E	D	(V)	L	I	R	H	G	K

FIG. 1B

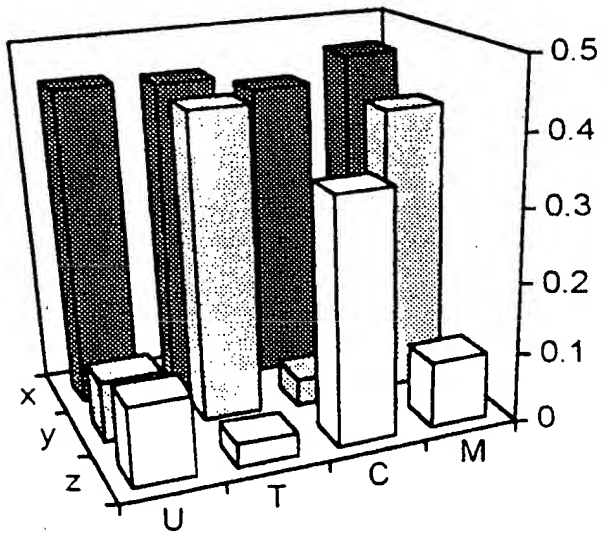


FIG. 1C

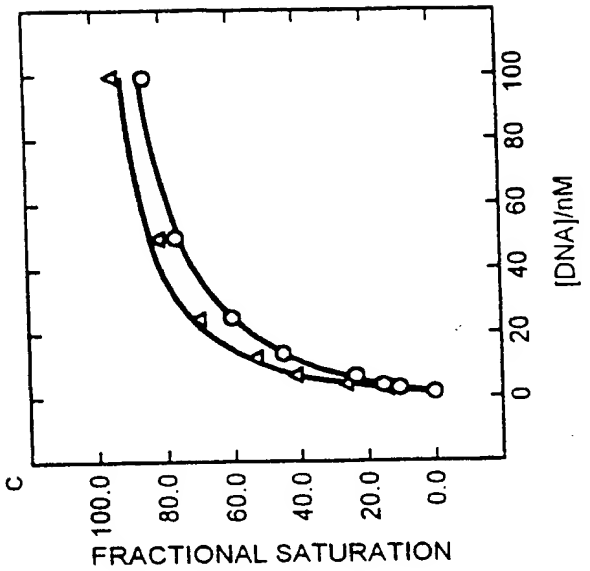


FIG. 2C

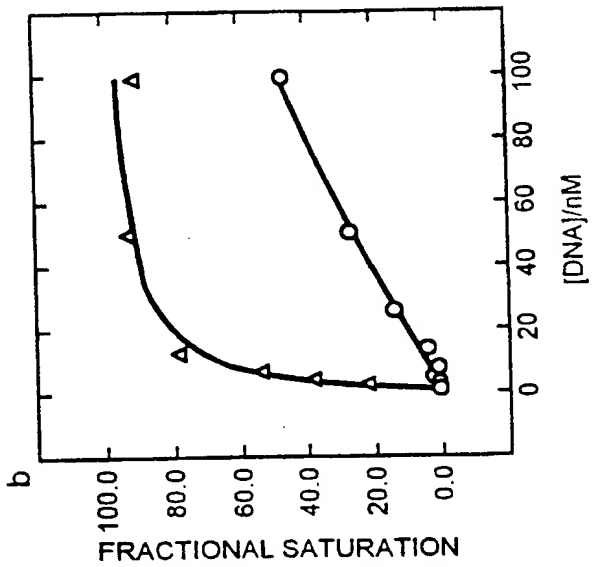


FIG. 2B

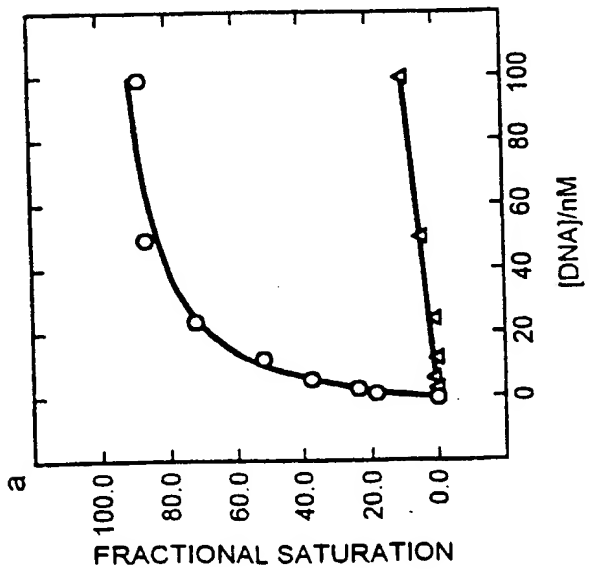
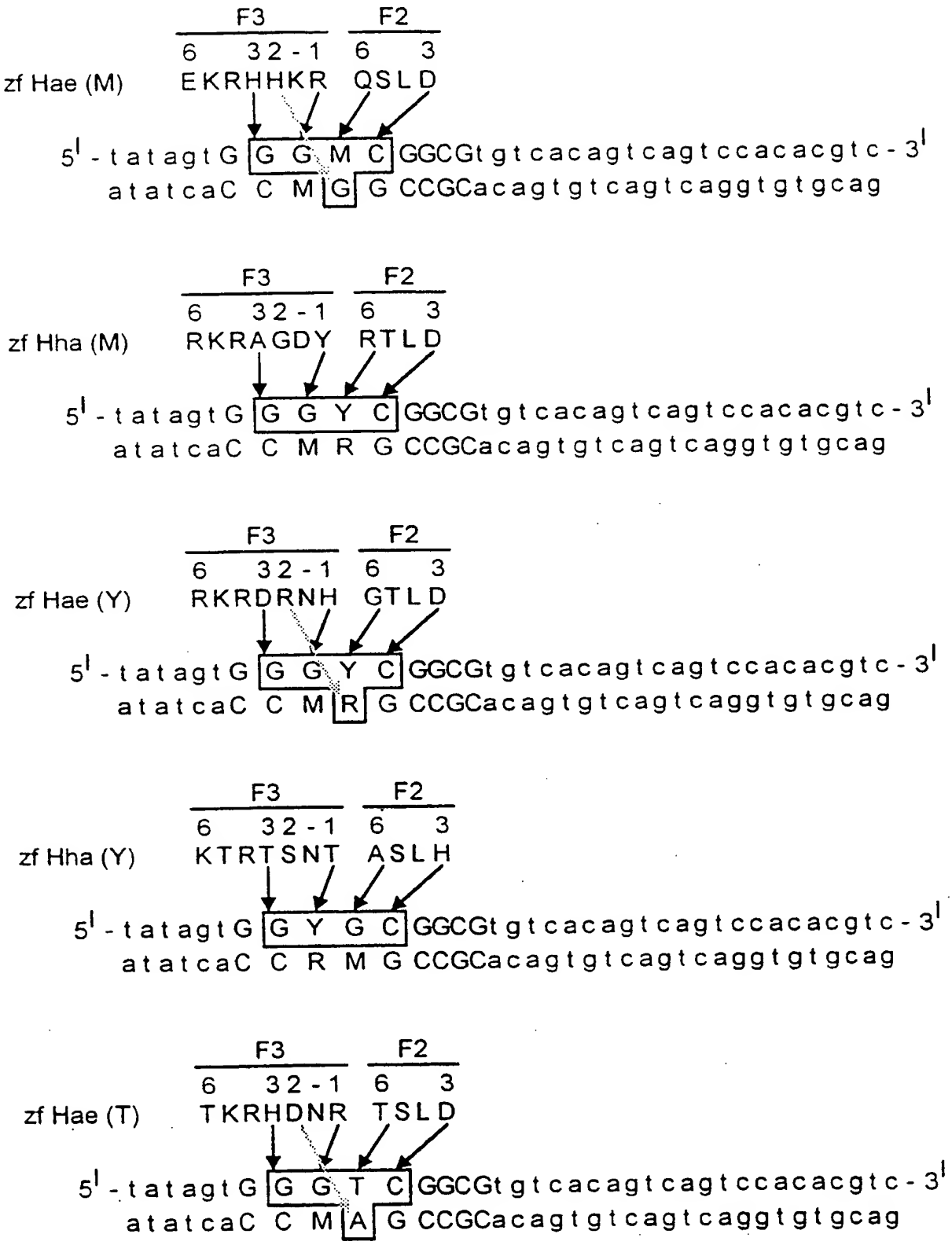


FIG. 2A



M=5-methylcytosine Y=pyrimidine (C/T/M) R=purine (A/G)

FIG. 3

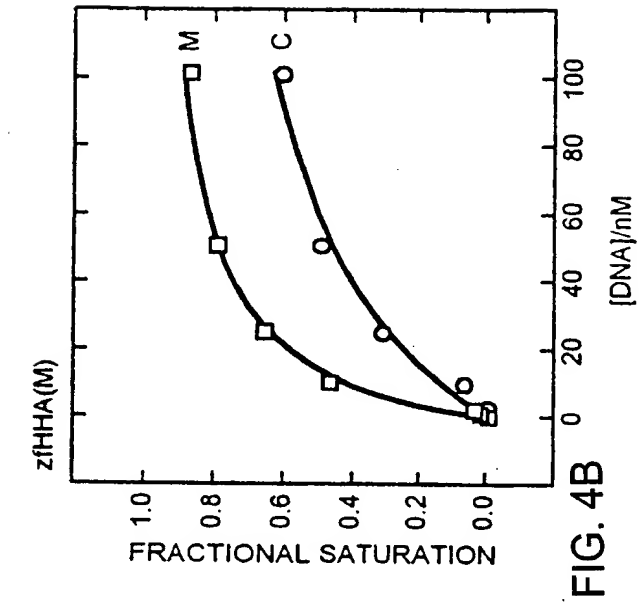


FIG. 4B

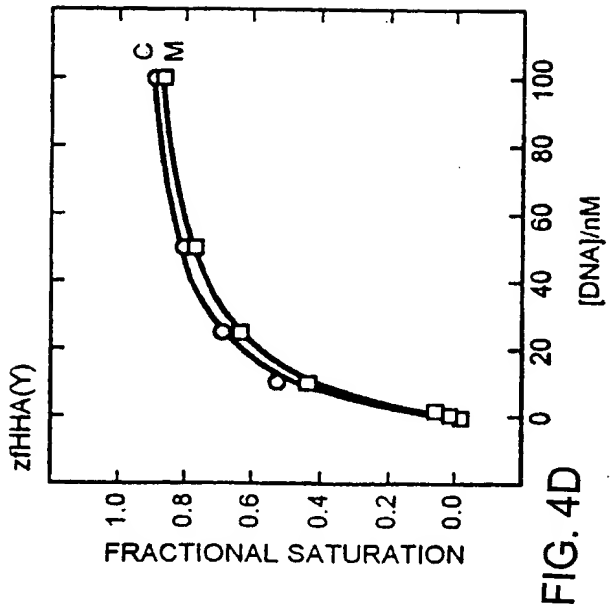


FIG. 4D

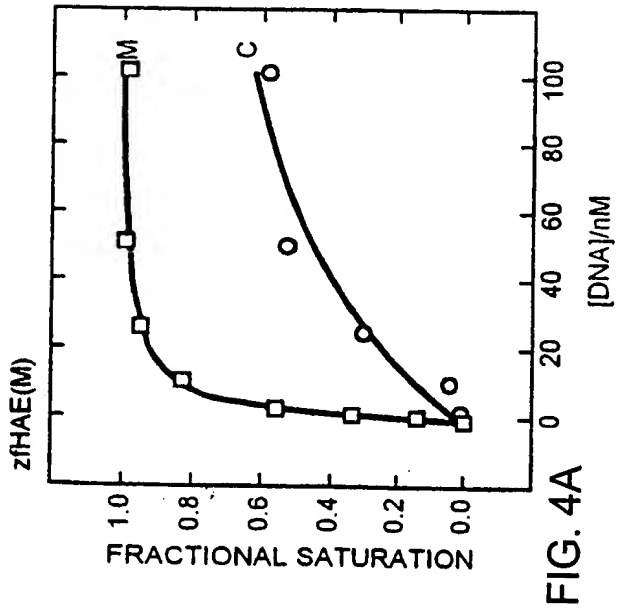


FIG. 4A

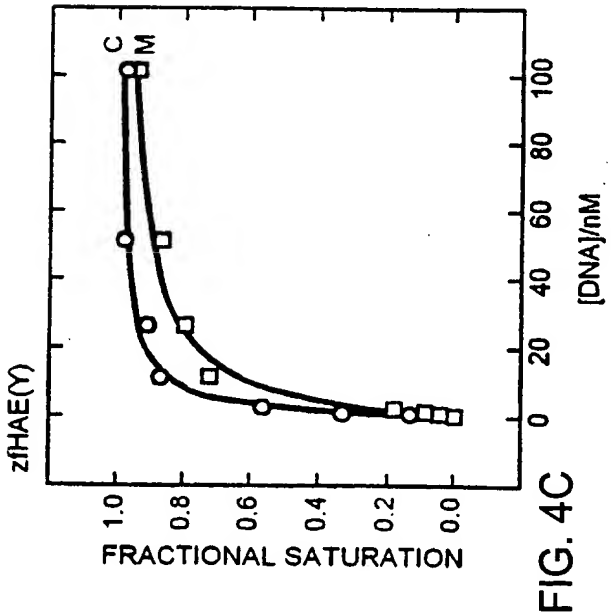


FIG. 4C

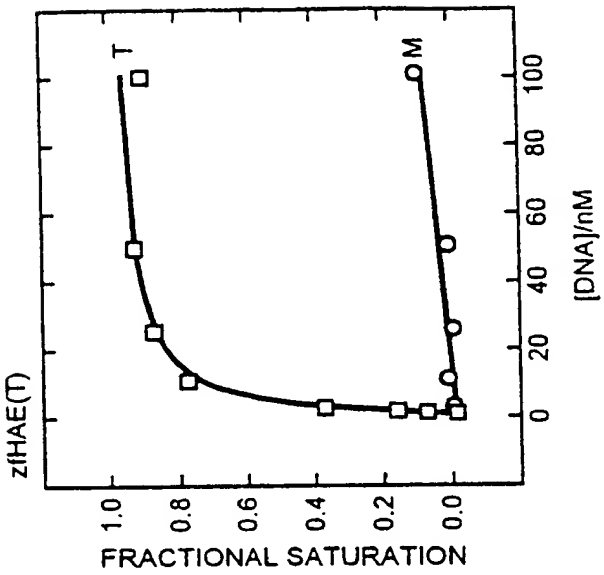


FIG. 5C

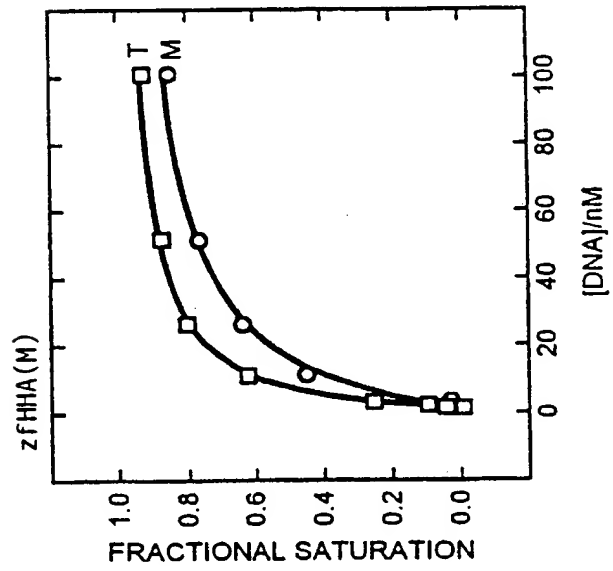


FIG. 5B

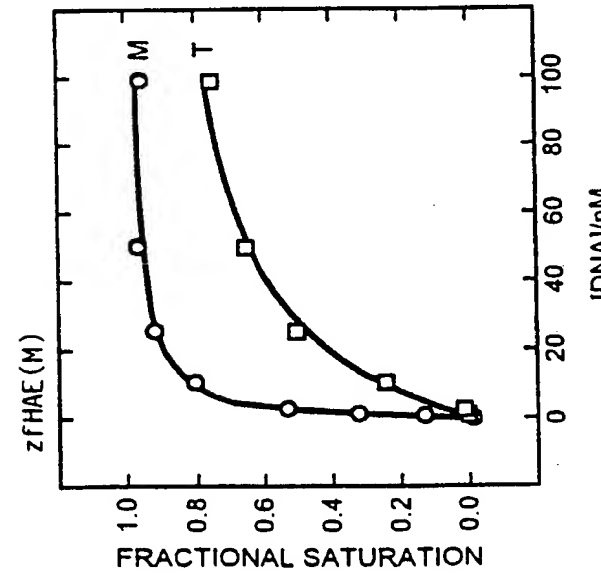


FIG. 5A

BEST AVAILABLE COPY

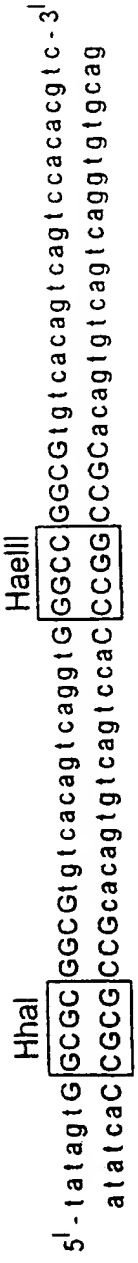


FIG. 6A

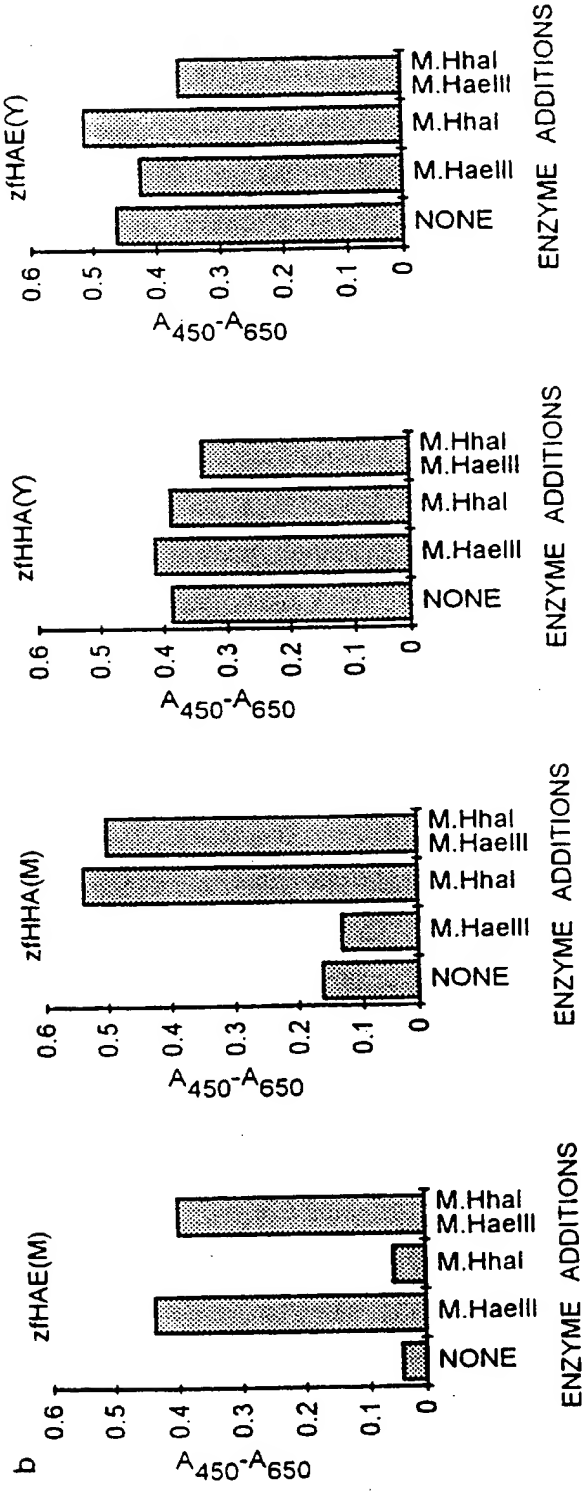


FIG. 6B